



1 MQTCPLAFPG HVSQALGTLL FLAASLSAQN EGWDSPICTE GVVSVSWGEN  
51 TVMSCNISNA FSHVNIKLRA HGOESAIFNE VAPGYFSRDG WQLQVQGGVA  
101 QLVIKGARDS HAGLYMWHLV GHQRNNRQVT LEVSGAEPQS APDTGFWPVP  
151 AVVTAVFILL VALVMFAWYR CRCSQQRREK KFFLLEPQMK VAALRAGAQQ  
201 GLSRASAELW TPDSEPTPRP LALVFKPSPL GALELLSPQP LFPYAADP\*

Fig.1



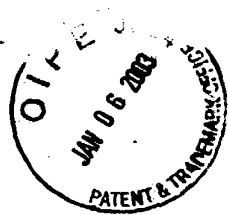
## K12 promoter (1-195) and cDNA (196-2180) sequence

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1  ATTCCTGCTT CCTTTAGCGT GAACGCGGGT GCGGTGCCTC CCGTGAAATA
51  ATAAATTAC  CGTCACGCTT GTTGTGAACG CGGGTGGTTC CCGAAACTTG
101 GAGGCTTCCC GTAAACCCAG CTCCTTCCTC ATCTGGGAGG TGGGTCCCGC
      ↓
151 GCGGGTCCGC CGCCTCCTCC CTGGCCCCCTC CCTCTCGTGT CTTTCATTTT
201 CCTGGGGCTC CGGGGCGCGG AGAAGCTGCA TCCCAGAGGA GCGCGTCCAG
251 GAGCGGACCC GGGAGTGTTT CAAGAGCCAG TGACAAGGAC CAGGGGCCCCA
301 AGTCCCACCA GCCATGCAGA CCTGCCCCCT GGCATTCCCT GGCCACGTTT
351 CCCAGGCCCT TGGGACCCTC CTGTTTTTGG CTGCCTCCTT GAGTGCTCAG
401 AATGAAGGCT GGGACAGCCC CATCTGCACA GAGGGGGTAG TCTCTGTGTC
451 TTGGGGCGAG AACACCGTCA TGTCTGCAA CATCTCCAAC GCCTTCTCCC
501 ATGTCAACAT CAAGCTGCGT GCCACGGGC AGGAGAGCGC CATCTTCAAT
551 GAGGTGGCTC CAGGCTACTT CTCCCGGGAC GGCTGGCAGC TCCAGGTTCa
601 GGGAGGCGTG GCACAGCTGG TGATCAAAGG CGCCCGGGAC TCCCATGCTG
651 GGCTGTACAT GTGGCACCTC GTGGGACACC AGAGAAATAA CAGACAAGTC
701 ACGCTGGAGG TTTCAGGTGC AGAACCCAG TCCGCCCCTG ACACTEGGTT
751 CTGGCCTGTG CCAGCGGTGG TCACTGCTGT CTTCATCCTC TTGGTCGCTC
801 TGGTCATGTT CGCCTGGTAC AGGTGCCGCT GTTCCCAGCA ACGCCGGGAG
851 AAGAAGTTCT TCCTCCTAGA ACCCCAGATG AAGGTCGCAG CCCTCAGAGC
901 GGGAGCCAG CAGGGCCTGA GCAGAGCCTC CGCTGAACTG TGGACCCAG
951 ACTCCGAGCC CACCCCAAGG CCGCTGGCAC TGGTGTTCAA ACCCTCACCA
1001 CTTGGAGCCC TGGAGCTGCT GTCCCCCCCCA ACCCTTGTTT CCATATGCCG
1051 CAGACCCATA GCCGCCTGCA AGGCAGAGAG GACACAGGAG AGCCAGCCCT
1101 GAGTGCCGAC CTTGGGTGEC GGGGCCTGGG TCTCTCGTCC CACCCGGAGG
1151 GCACAGACAC CGGCTTGCTT GGCAGGCTGG GCCTCTGTGT CACCCACTCC

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Fig.2A



1201 TGGGTGCGTG CAGACCCTTC CCCTCCACCC CCCAGGTCTT CCAAGCTCTG  
 1251 CTTCTCAGT TTCCAAAATG GAACCACCTC ACCTCCGCAG CACCCGACTT  
 1301 ACCAGGACGC ATGCCCCCTCC CTCTGCCCTC ATCAAACCCA CAGACCCGGA  
 1351 CTCCCTTTCT GCCACCCAG GCTGGTCCGG CCCAGGTGT GGGGTCCGCT  
 1401 CTCTCCACTC CCAGGGCTCC GCGCCCAAGT GAGGGGGCCC CTGCCGAGC  
 1451 CTCAGACACA CTGGAGTTCA GGGCTGGGGG GGCCTTGGCA CATACTGT  
 1501 CCTTGGCTAT GAGCAGGCTT TGGGGGCCCT TCCGCGGCAG CCCCGGGGGC  
 1551 CGAGGTAGGG TCTGGGGGCT TAGAGGCTGG GATGGCTCCT GGCCCCACCG  
 1601 CCAGGGGGCA AGCGCAGGCC GGGCTGGGAG GCGGCGGCGG CGGCTCGGGC  
 1651 TGGGGGGTCA GGTGGACGCT GCCTCCGGGG CTGGTCGCGC ATCCCTCAGT  
 1701 CCCTCGGCCA CCCGGGGGTC GCTCCCTCGT GCCACCGCA CCTGCCGAGC  
 1751 CTCTTTGGAC CCAGATCTGT TCATGCTTTT GTCTTCGTCA CTGCGGCGGG  
 1801 GCCCTTTGAT GTCTTCATCT GTATGGGGTG GAAAAATCAC CGGGAATCCC  
 1851 CCTTCAGTTC TTTGAAAAAG TTCCATGACT CGAATATCTG AAATGAAGAA  
 1901 AACAAACCGA CTCACAAACC TCCAAGTAGC TCCAAATGCA ATTTTAAAA  
 1951 TGGAAAACAA AAATCTGAAA GAAACGTCTT TAGTGGCTTT AAGCCCCAAA  
 2001 ACGTCCCTAA GCGTCCCTCG AGATGAAGAC GGGGGGAGC CCCAGCCAGG  
 2051 TGGAGACCCC GCAGGACGCG GCGGCGCCCG GTGACCGAGG CCTCGCACAG  
 2101 CCGGCCGCCC TGAGGGTCGG GCCGAGCCAG GGTCCAAGAG GGGCGCGTTT  
 2151 GTGTCTCGGG TTAAAATAAG GTTCCGTCCG

Fig.2B

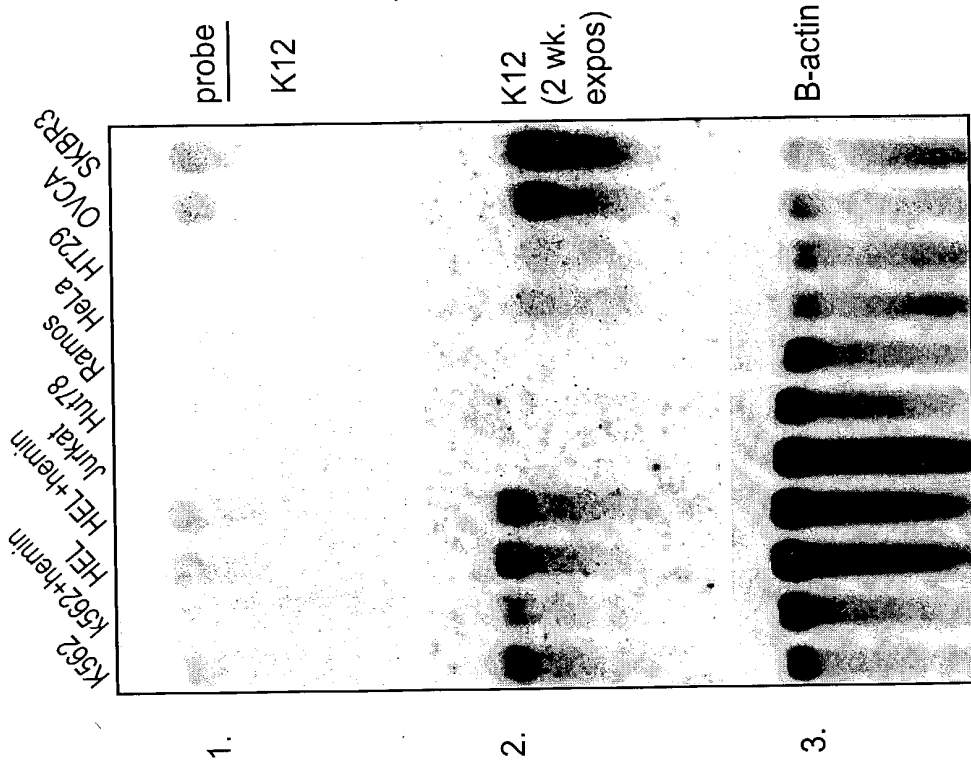


Fig.3B

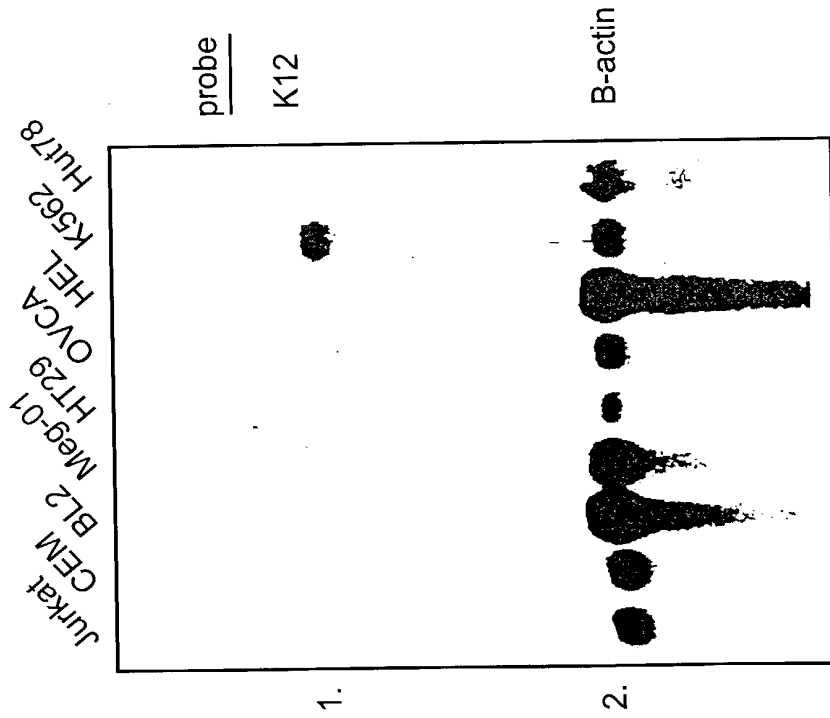
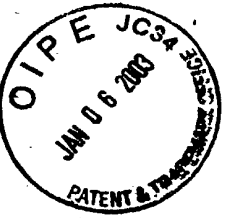


Fig.3A



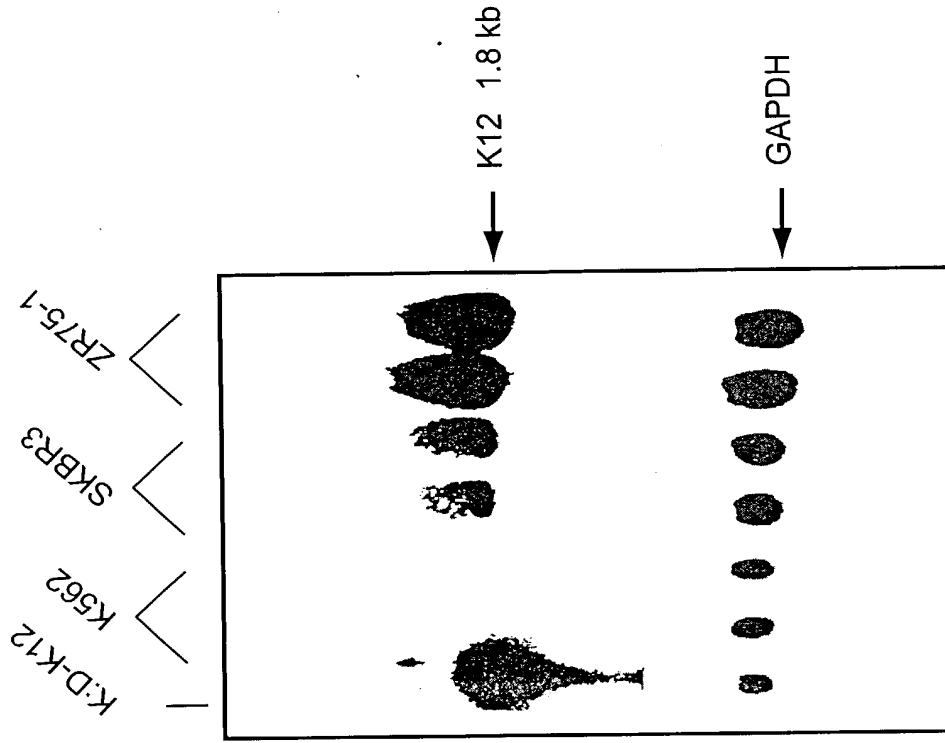
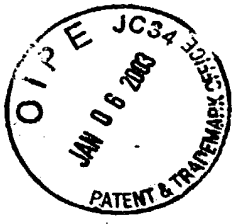


Fig.3D

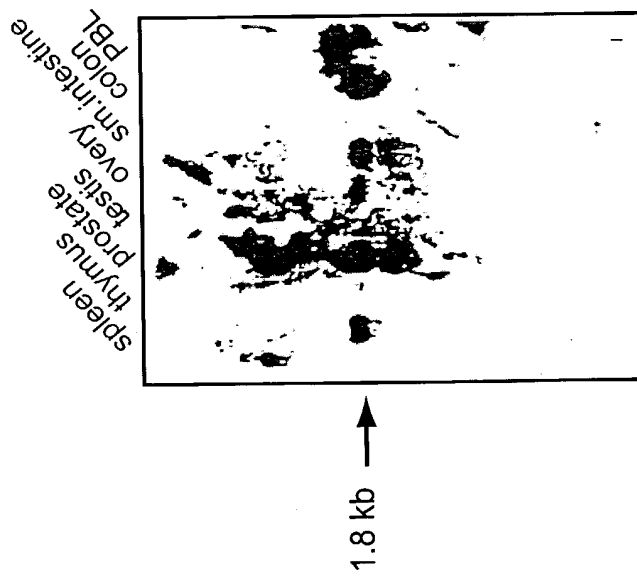
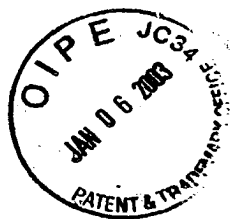


Fig.3C



1 2 3 4 5 6 7 8 9 10

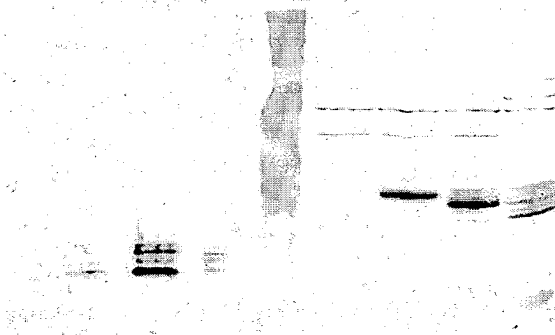


Fig.4



Fig.5A



Fig.5B

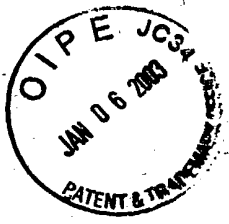


Fig.6A



Fig.6B

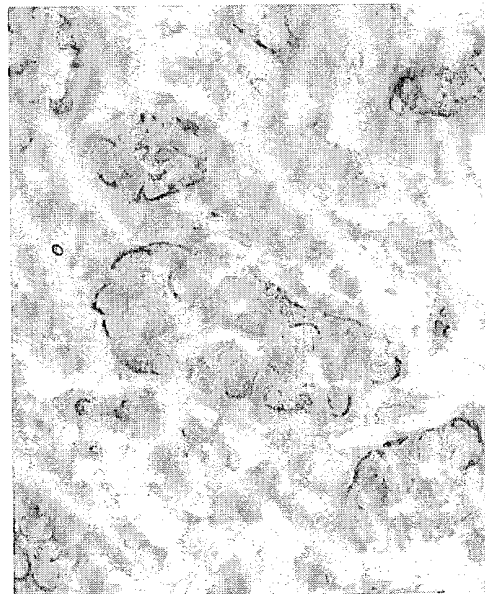


Fig.6C

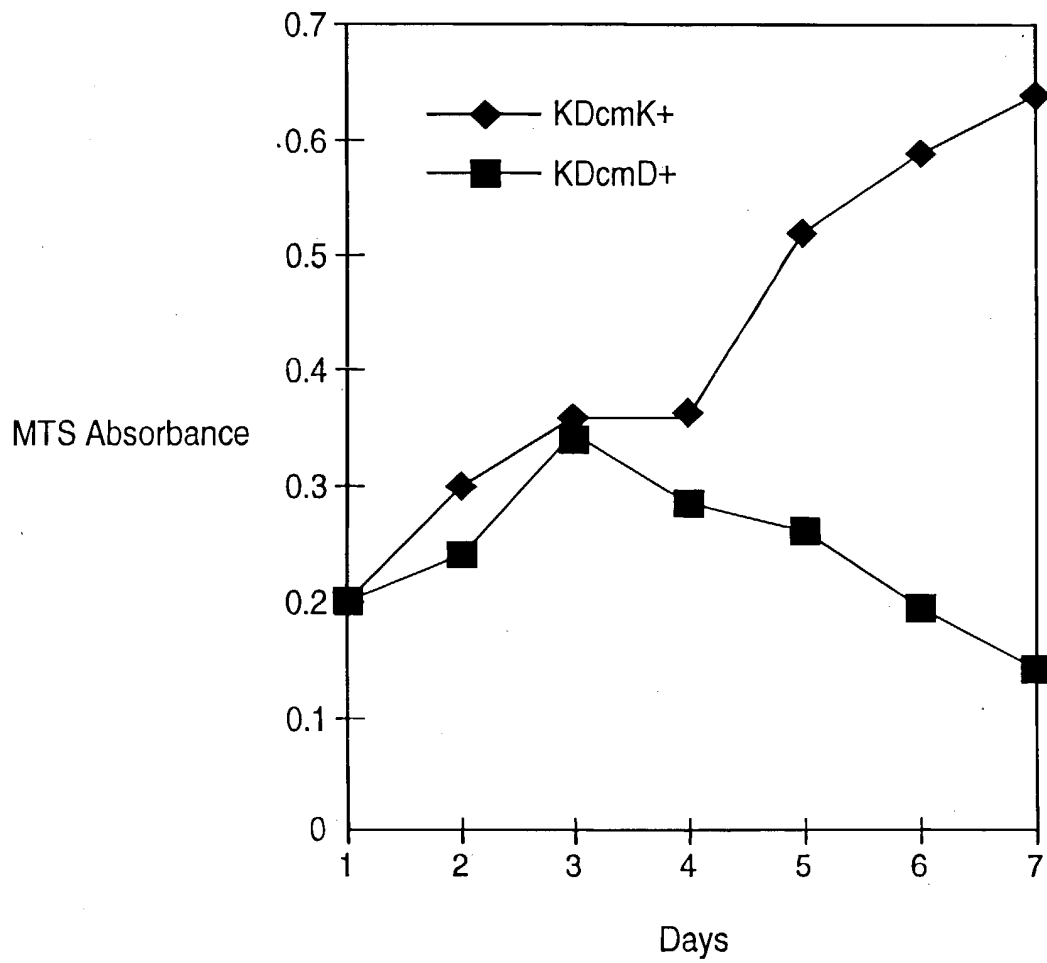
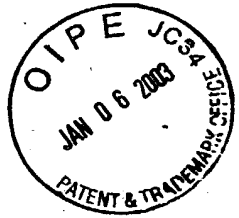


Fig.7